

0029



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

cc: Pete

OK

July 31, 2001

TO: Internal File  
THRU: Daron R. Haddock, Permit Supervisor *RRH*  
FROM: James D. Smith, Senior Reclamation Specialist *JDS*  
RE: 2000 First Quarter Water Monitoring, CO-OP Mining Company, Bear Canyon Mine, ACT/015/025-WQ00-1

1. Were data submitted for all of the MRP required sites? YES [ X ] NO [ ]  
*Identify sites not monitored and reason why, if known:*

No flow at BC-3 and SBC-6.

2. On what date does the MRP require a five-year resampling of baseline water data. See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

**Resampling Due Date**

Renewal submittal due 07/02/00, renewal due 11/02/00. Baseline parameters are to be taken in August of year 5 prior to each permit renewal (Table 7.1-8).

3. Were all required parameters reported for each site? YES [ ] NO [ X ]  
*Comments, including identity of monitoring site:*

DH-1A: Dissolved Mn and Total Mn not reported;  
BC-1: Ca not reported.

**4. Were irregularities found in the data?** YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

SBC-13: Flow (n = 18) is outside two standard deviation range;  
SBC-4: Total Hardness (n = 66), Mg (n = 27), Na (n = 26), SO4 (n = 66), Total Cations (n = 66), and Total Anions (n = 64) are outside two standard deviation range;  
BC-2: Cl (n = 74) is outside two standard deviation range. Lab Specific Conductivity (n = 50) is considerably outside two standard deviation range – this appears to be a data entry error;

**5. Were DMR forms submitted for all required sites?**

1<sup>st</sup> month, YES [ ] NO [ X ]  
2<sup>nd</sup> month, YES [ ] NO [ X ]  
3<sup>rd</sup> month, YES [ ] NO [ X ]

*Identify sites and months not monitored:*

No DMRs for 002, 003, 004, and 006;  
No field forms for 002, 003, and 006;  
No flow reported on field forms for January and February at site 004;  
No reports for any quarter for site 007, which is the not-yet-built sedimentation pond at the Wild Horse Ridge Addition.

**6. Were all required DMR parameters reported?** YES [ ] NO [ X ]

*Comments, including identity of monitoring site:*

**7. Were irregularities found in the DMR data?** YES [ X ] NO [ ]

*Comments, including identity of monitoring site:*

**8. Based on your review, what further actions, if any, do you recommend?**

At BC-2, the Lab Specific Conductivity value needs to be checked to see if the correct value was entered into the APPX database;  
Other irregularities in monitoring data do not appear significant and no further action is recommended other than watching for possible trends.  
DMR forms need to be located.